



IRAN REFRACTORIES COMPANY

TECHNICAL DATA SHEET



RENO 60

Classification:	Magnesia – Chrome Brick (Burned)
Main Raw Material Component:	Dead Burned Magnesia – Chromite
Type Of Bond:	Ceramic
Main Applications:	Various purposes; Safety layers in steel melting vessels, Chemical & Nonferrous Industries.

Chemical Composition (Calcined base)				
MgO %	Cr ₂ O ₃ %	Fe ₂ O ₃ %	Al ₂ O ₃ %	SiO ₂ %
63 – 66	12 – 16	5.0 – 7.0	7.0 – 10	2.0 – 4.0

Physical Properties		
<i>Bulk density</i>	g/cm ³	> 2.94
<i>Cold crushing strength</i>	kg/cm ²	280-450
<i>Apparent porosity</i>	%	< 19
<i>Modulus of rupture</i>	kg/cm ²	25-50

Thermomechanical Properties		
<i>Refractoriness under Load T05</i>	°C	Min 1650
<i>Reversible Linear thermal expansion (1100 °C)</i>	%	≈ 0.6

The above data are typical of the properties of commercial Standard brick .

The data are subject to reasonable variation and therefore should not be used for Specification purposes. They may not be regarded as committed specifications and therefore not as guaranteed properties .

ASTM Test Methods, where applicable, used for determination of data.

Revision:4

Date of issue: 1397/08/15

Code: IRF-ST-Q-860-19

Revision:00